

Appln. No.: 10/671,350

Amdt. dated June 23, 2005

Reply to Office action of March 23, 2005

LISTING OF CLAIMS:

1-8(Cancelled).

9. (Currently Amended) A multi-layered cylinder head seal comprising:

with a spacing layer with ~~that has~~ openings corresponding to the number of combustion chambers ~~taking~~ having cylinder bushings in a combustion engine~~[[,]]~~; ~~in the~~ area of which a combustion chamber edging containing a soft iron ring ~~[[is]]~~ located ~~and~~ in the areas around the openings; at least partially limiting elements are provided at an edge of the spacing layer, where the spacing layer is in functional contact with functional layers that have several selectable distances from both the associated combustion chamber edging as well as the associated limiting element and that are provide with beads sumps.

10. (Currently Amended) The cylinder head seal per claim 9, characterized in that the functional layers are provided with half beads sumps.

11. (Previously Presented) The cylinder head seal per claim 9, characterize in that at least one function layer is positioned in the area of each frontal surface of the spacing layer.

12. (Previously Presented). The cylinder head seal per claim 10, characterize in that at least one function layer is positioned in the area of each frontal surface of the spacing layer.

13. (Currently Amended) The cylinder head seal of claim 9, characterized in that two functional layers are positioned in the area of each frontal surface of the spacing layer, whose half beads sumps are provided in selectable areas touching each other, and in other selectable areas at a distance from each other.

14. (Currently Amended) The cylinder head seal of claim 10, characterized in that two functional layers are positioned in the area of each frontal surface of the spacing layer, whose half beads sumps are provided in selectable areas touching each other, and in other selectable areas at a distance from each other.

15. (Currently Amended). The cylinder head seal of claim 11, characterized in that two functional layers are positioned in the area of each frontal surface of the spacing layer, whose half beads sumps are provided in selectable areas touching each other, and in other selectable areas at a distance from each other.

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16. (Currently Amended) The cylinder head seal of claim 12, characterized in that two functional layers are positioned in the area of each frontal surface of the spacing layer, whose half beads ~~sumps~~ are provided in selectable areas touching each other, and in other selectable areas at a distance from each other.
17. (Currently Amended) The cylinder head seal of claim 9, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
18. (Currently Amended) The cylinder head seal of claim 10, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
19. (Currently Amended) The cylinder head seal of claim 11, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
20. (Currently Amended) The cylinder head seal of claim 12, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
21. (Currently Amended) The cylinder head seal of claim 13, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
22. (Currently Amended) The cylinder head seal of claim 14, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
23. (Currently Amended) The cylinder head seal of claim 15, characterized in the half beads ~~sumps~~ are made open toward to the limiting elements.
24. (Previously Presented) The cylinder head seal of claim 9, characterized in that the associated combustion chamber edging is made of two sheet metal elements, where the inner sheet metal element accepts the soft iron ring and both sheet metal elements are joined all around the spacing layer.
25. (Previously Presented) The cylinder head seal of claim 9, characterized in that the combustion edging is movable relative to the spacing layer and is provided decoupled from both the spacing layer as well as the functional layers in the area of each opening.
26. (Previously Presented) The cylinder head seal of claim 9, characterized in that the functional layers are firmly connected to the spacing layer.